Scheduling Transmission Service

Version 5 Effective: 04/01/11

This Business Practice describes the process and guidelines for scheduling transmission services from BPA Transmission Services.

General Procedures and Requirements

1. Submitting Transmission Schedules
    a. All transmission schedules must be submitted through the e-Tag process. Refer to the Conditional Firm Business Practice for e-Tagging requirements for Conditional Firm Service.
    b. Customers may contact BPA Transmission Services if they are unclear about how they should submit a transmission schedule.
    c. The Customer maintains responsibility for the transaction described in the e-Tag.
    d. If a Customer finds that an e-Tag contains incorrect information, (e.g., contract or type of transmission service) the Customer must ensure that an adjustment to the e-Tag is submitted with the correct information.
    e. All transactions must be tagged from the original Source to the final Sink.
    f. If a Customer does not submit a schedule for a given hour, for all purposes, BPA Transmission Services will deem the Customer to have submitted a schedule of zero megawatts for that hour.
    g. Customers may use more than one supporting reservation to meet a single e-Tag demand.
    h. If generation is reduced (or lost entirely), the Customer must adjust future-hour estimates and e-Tags accordingly.
    i. If a transaction involves both Network and Southwest Interties, all parts of the transaction must be submitted on the same e-Tag.
    j. No California Oregon Border Hub (COBH) transaction is allowed to continue south on the Southern Intertie to California.
    k. All transactions into or out of the Northwest Market Hub (NWH) or COBH must net to zero on all hours.

l. If a scheduling emergency prevents BPA Transmission Services from accepting transmission schedules from e-Tags, BPA Transmission Services will:

   i. Post a notice to OASIS and the WECC email exploder requiring Customers to submit transmission schedules by phone.
   ii. Notify Customers by phone and require them to submit transmission schedules by phone until notice is given that the scheduling system has been restored to normal operating conditions.
   iii. Check out with all adjacent Balancing Authorities.
   iv. Troubleshoot discrepancies to identify transmission schedules that remain unreported.

2. Transmission Account Building

   a. BPA Transmission Services will automatically build a transmission scheduling account (also known as a Real-Time Operations and Scheduling Dispatch System (RODS) account) from information on an approved e-Tag on a 24 hour/7 day a week basis for all transmission accounts except for the services listed in 16 below.
   b. The Customer must continue to request BPA Transmission Services to build RODS accounts prior to the preschedule day for the following services during regular business hours:
      i. Dynamic Schedules
      ii. Pseudo Tie Schedules
      iii. Loss Return Schedules
      iv. Reserves
   c. If an unforeseen occurrence prevents the automated tool from building a RODS account prior to the conclusion of the Pre-Schedule or Real-Time window, BPA Transmission Services will attempt to support an e-Tag by manually building RODS account(s) during regular business hours.
      i. If RODS accounts cannot be built manually prior to the conclusion of the Pre-Schedule or Real Time window, BPA Transmission Services may deny or curtail the e-Tag. Refer to the Redispatch and Curtailment Business Practice for e-Tag Curtailment procedures.
   d. When a Customer experiences a Communication Failure (COMM Fail) where BPA Transmission Services is the Load

Control Area, BPA Transmission Services will exercise the e-Tag override function to Approve or Deny pending e-Tags on the Customer's behalf.

3. Blanket Function
    a. To use the Blanket Function, Customers must reference the five-digit Service Agreement number in the OASIS contract Number field.
    b. The Blanket Function will automatically locate all confirmed reservations with available demand; matching Service Agreement, POR/POD, Transmission Service Type, and NERC priority for the schedule duration.
    c. The system will then automatically encumber the earliest Assignment Reference (AREF) first per the Transmission Profile and Energy Profile of the e-Tag.
    d. Customer maintains responsibility for management of their Transmission Profiles and their Energy Profiles.

4. Operating Reserves
    a. BPA Transmission Services will create e-Tags for the delivery of Operating Reserves following the delivery hour (After-the-Fact) to all Customers who have elected to self-supply Operating Reserves.
    b. A Customer who self-supplies Operating Reserves and desires to change its e-Tag template must submit a request in writing or by email to its Account Executive within the normal election time frame.
        i. A Customer may not change its e-Tag template during the election period for which it is self supplying Operating Reserves.

5. Network Integration (NT) Transmission Service
    a. The following NT Customers do not need to submit transmission schedules to BPA Transmission Services:
        i. Bonneville Power Administration (BPA) and Power Services full requirements Customers in BPA's Control Area.
        ii. Power Services' partial requirements Customers, with the exception of that portion of the partial requirements Customer's Network Load not being served by a Power Services partial requirements contract.

b. NT Customers who are not in the BPA Control Area or have resources outside the BPA Control Area must submit transmission schedules.

c. Starting ***Date***, when tagging Firm NT schedules, NT Customers are required to use the 7-FN NERC priority code.

~~i. Customers submitting Firm NT schedules are encouraged to immediately begin using the 7-FN NERC Curtailment Priority code, rather than 7-F, to facilitate NT Firm Redispatch, pursuant to Attachment M of the OATT.~~

Formatted: Indent: Left: 36 pt, Outline numbered + Level: 2 + Numbering Style: a, b, c, ... + Start at: 1 + Alignment: Left + Aligned at: 54 pt + Tab after: 72 pt + Indent at: 72 pt

Formatted: Strikethrough

6. Point-to-Point (PTP) Transmission Service

a. Customers submitting Firm PTP schedules are not permitted to use the 7-FN NERC Curtailment Priority code.

7. Test E-Tags

a. E-Tags submitted for test purposes will automatically pass the Available Transfer Capability (ATC) validation checks.
b. Test e-Tags will not impact ATC, TSRs or Interchange.
c. The approval status of a test e-Tag will be set based on the results of all other validation checks listed below in E-Tag Validation Rules.

Transmission Service Product Types

1. The following transmission service product types require a unique Product Suffix Code (see table below) appended to the AREF or five-digit Service Agreement number referenced on the OASIS Contract Number field, to uniquely identify the intent of the transmission schedule and match the e-Tag to the scheduled RODS Account:
   a. Priority Firm (PF) Block Power
   b. Station Service
   c. Counter Schedule (CS)
   d. No OASIS Reservation (NOR)
   e. Loss returns
   f. Conditional Firm (CF)

2. For all Transmission Service schedules, enter the five-digit Service Agreement number or the AREF number, a hyphen, and the applicable Product Suffix Code. Refer to the Conditional Firm

Business Practice for E-Tagging Requirements for Conditional Firm Service.

3. For loss return e-Tags, enter BPA Power into the Point-of-Delivery (POD) field and BPALOSS into the SINK field.

4. The Transmission Service/Product Type and Product Suffix Codes are listed in the table below:

Tagging Suffixes

Transmission Service / Product Type	Description	Product Suffix Code
PTP Network Firm PF NT Network Firm PF/Block NT Hourly Non Firm (HNF) PF/Block PTP HNF PF/Block	PF and/or block Service Agreement with BPA Power Services for Firm and Non-Firm Network Integration (NT) and Point-to-Point (PTP) transmission schedules	<xxxxx>-PF
No Demand Check (ND)	ND service exempts certain Contracts from automated demand checks.	<xxxxx>-ND
Counter Schedule (CS)	A CS submitted in the opposite direction of flow for the Southern Intertie.	<xxxxx>-CS
No OASIS Required (NOR)	NOR Service exempts the segment of the transaction from incurring transmission charges and loss obligations. The use of NOR Service is limited to certain paths and/or owners.	Service-NOR
Non-Federal Ownership of the Pacific AC Intertie (NFP)	Allows e-Tags to pass contract validation for entities with NFP where no specific AREF exists.	<xxxxx>-NFP
NT Network Firm PF/Block	PF and/or block service agreement with BPA Power Services for Firm NT Transmission schedules with no Demand Check.	<xxxxx> -PFN
Conditional Firm	Conditional Firm PTP or NT Reservation. The e-Tag can only reference the AREF.	<AREF>-CF
Network HNF Station Service	Transactions related to station service use for Control Area purposes.	61
Network Firm Station Service	Transactions related to station service use for Control Area purposes (includes Daily, Weekly, Monthly, and Yearly schedules).	66
Integration of Resources (IR) Losses	Loss returns for IR Contracts.	L1
Formula Power Transmission (FPT) Losses	Loss returns for FPT Contracts.	L2
NT Losses	Loss returns for NT Contracts.	L3
PTP Losses	Loss returns for PTP on the Network, and Southern Intertie.	LP
Non-Federal Participant Owner Losses	Loss returns for NFP Owners on the Intertie and Ownership Share Demand Overrun.	L7

Tagging Suffixes		
Northern Intertie (NI) Loss Return	Loss returns for NI Owners.	L9

E-Tag Submittal Windows

1. Preschedule
   a. A transmission e-Tag must be submitted according to the following table:

SUBMISSION OF E-TAGS DURING PRESCHEDULE WINDOW			
Transmission Service Product Type	**Transmission Service Increment**	**Transmission Service Classification**	**Window for Network & Intertie Submission**
Long-Term, Short-Term; Monthly & Weekly	Yearly, Daily, & Hourly	Firm & Non-Firm	For Preschedule Day(s) and beyond: No later than 15:00:00 PPT or two hours after the posted BPAT Preschedule accommodation time.

   b. The window for Ancillary Service data opens at 08:00:00 PPT of the Preschedule day. The window closes on Preschedule for the following Ancillary Services:
      i. Energy Imbalance: Load Estimates and self-supply amounts must be submitted through the CDE no later than 18:00:00 PPT. Payback Schedules must be submitted no later than 14:00:00 PPT.
      ii. Generation Imbalance: A generator must submit a Generator Estimate for each hour it is planned to produce power. Generation Estimates must be submitted through the CDE no later that 18:00:00. Payback Schedules must be submitted no later than 14:00:00 PPT.
      iii. Operating Reserves: Load Estimates submitted for the purpose of determining Operating Reserve obligations must be submitted through the CDE no later than 18:00:00 PPT.
   c. During checkout, BPA Transmission Services' Preschedule staff will implement the Fifteen (15) Minute Rule and contact

the Customer to help resolve any discrepancies between the e-Tag and RODS schedule.

d. BPA Transmission Services will participate in a conference call if the Customer requests such a call to help resolve the discrepancies. See Contact Information below.

2. Real-Time

   a. A transmission e-Tag must be submitted according to the following table:

SUBMISSION OF E-TAGS DURING REAL-TIME WINDOW			
Transmission Service Product Type	**Transmission Service Increment**	**Transmission Service Classification**	**Window for Network & Intertie Submission**
Long-Term, Short-Term; Monthly & Weekly	Yearly, Daily & Hourly	Firm & Non-Firm	Beginning 18:00:00 of the day prior to starting service, up to 20 minutes prior to the start of service.

3. After-the-Fact

   a. Tag approval entities are required to approve After-the-Fact e-tags within two hours after the e-Tag is received by BPA Transmission Services.

Scheduling for Emergency Energy Delivery

1. BPA Transmission Services will use the following timeline for submitting e-Tags for emergency energy delivery:

Real-Time Window for Emergency Energy Delivery Only	Duration of Service
Beginning 20 minutes prior to the scheduling hour up to the end of the scheduling hour	Begins at the start of flow for no more than 2 hours

2. Emergency e-Tags submitted within the Real-Time Window for Emergency Energy Delivery will fail the automated timing validation and be manually processed. BPA Transmission

Services will process Emergency e-Tags in accordance with INT-001-WECC-CRT-2 and INT-007-WECC-CRT-1 or their successors.

3. BPA Transmission Services will contact the Sink Balancing Authority by phone to verify the emergency condition.

4. BPA Transmission Services will deny Late e-Tags as defined by the Timing Requirement table of INT-006-3 and in accordance with INT-007-WECC-CRT-1 or their successors.

E-Tag Validation Rules

1. All e-Tags will be validated by BPA Transmission Services to ensure accuracy.

2. E-Tags for both the Preschedule and Real-Time windows that fail any of the validation rules will automatically be denied or manually processed.

2. Demand check validations will be performed on all e-Tags unless Customers meet one of the following criteria allowing a bypass:

   a. Retain a FPT, IR, or Memorandum of Agreement (MOA) contract with BPA Transmission Services that addresses special scheduling provisions for specific Firm Transmission Demand that is not explicitly represented by OASIS reservations and submit Firm (7-F) e-Tags with the -ND suffix appended to the Reference field of the e-Tag's transmission allocation.
   b. Retain an NT Service Agreement with BPA Transmission Services that requires the reservations to indicate specific Points of Receipt (POR) and PODs, places no limitations on the reserved Transmission Demand, which is based on load forecasts, and submit Firm (7-F) e-Tags with the -ND suffix appended to the Reference field of the e-Tag's transmission allocation.
   c. Retain Ownership Shares of the Pacific AC Intertie or DC Intertie under a contract that does not require the submission of a TSR to Transmission Services' OASIS; and as the e-Tag, Transmission Provider must submit Firm (7-F) e-Tags with the -NFP suffix appended to the Reference field of the e-Tag's transmission allocation.
   d. Retain a PF and/or Block NT Service Agreement(s) and submit Firm (7-F) e-Tags with the -PFN suffix appended to the Reference field of the e-Tag's transmission allocation.

3. BPA Transmission Services retains the right to add or change validation rules without notice.

4. Updates to the validation rules (if any) will be posted to BPA Transmission Services' web site.

5. BPA Transmission Services' validation rules are described below:

   Acronyms:

   CA: Control Area

   GCA: Generation Control Area

   LCA: Load Control Area

   TP: Transmission Provider

   BPAT: Bonneville Power Administration Transmission

   TC: Transmission Customer

   PSE: Purchasing or Selling Entity

Validation Rules for Schedule Path		
Criteria	**Description**	**Denial Reason**
Energy Profile	This check examines the transmission MW profile of the e-Tag to ensure that it has sufficient capacity to cover the energy schedule MW profile.	Energy profile is bad
Scheduling Window	Upon receipt of an e-Tag, BPA Transmission Services e-Tag system will automatically validate the submittal time of each e-Tag to ensure it falls within the posted scheduling windows.	Tag Timing
Scheduling Entity (SE) Usage	Where BPAT is an SE in a transmission physical segment, verify that BPAT is not referenced in a string containing other SEs.	Path SE Usage
SE Adjacency	Where BPAT is an SE, the upstream/downstream SE/GCA/LCA is verified to be adjacent to BPAT. A null adjacent SE is INVALID.	Path SE Adjacency
TP-SE Association	For each physical segment where BPAT is referenced as an SE or a TP, the SE and TP designated on that physical segment will be verified as a valid association, including associated POR/POD path for that TP.	Path TP-SE Association
POR/POD to	Verifies that the point adjacent to a given POR/POD	Path POR/POD

Validation Rules for Schedule Path		
Adjacent Point	is valid for the POR/POD.	to adjacent Point
POR/POD to SE Adjacency	Where BPAT is the SE, the POR/POD on the physical segment will be verified as being valid for the adjacent upstream/downstream SE (or GCA/LCA).	Path POR/POD to SE Adjacency
POR/POD to Source/Sink	Where BPAT is the GCA/LCA, verify that the POR is valid for the Source and/or the POD is valid for the Sink. A null Source or Sink in the e-Tag is considered an error.	Path POR/POD to Source/Sink
Reserve Obligation	Where BPAT is the e-Tag GCA and not the WECC Responsible Entity, verify that the Reserve Obligation Multiplier is correct for the e-Tag source.	INVALID Reserve Obligation
WECC Reserves	Where BPAT is the e-Tag Reserve Responsible Entity, verify that BPAT is also the GCA or LCA	WECC Reserves
Valid Product Code	Where BPAT is the GCA or LCA, verify that the Market Path Product is not C-RE (Recallable).	INVALID Market Product Code

Validation Rules for Product Suffix Code (See tagging Suffix Table)		
Validation Criteria	**Description**	**Denial Reason**
Suffix	The Contract Number Suffix, where required, associated with any BPAT transmission service will be verified against the list of valid Product Suffix Codes. The remaining Suffix validations are not performed if this step fails.	Suffix INVALID Code
Agreement Type for Suffix	Determine whether the reference in the OASIS/Contract field is an AREF or BPAT contract & determine whether the Suffix is valid for that reference type (AREF or Contract).	Suffix Agreement Type
NERC Priority for Suffix	Verifies that the NERC Priority on the e-Tag is valid for the Suffix referenced.	Suffix NERC Priority
Service Type for Suffix	Verifies that the contract type of the underlying and supporting contract (as directly referenced in the contract number field or from the OASIS reservation if the e-Tag Contract # is an AREF) is valid for the Suffix referenced.	Suffix Service Type
Source for Suffix	Where BPAT is the GCA, verifies that the Source listed in the e-Tag is valid for the Suffix.	Suffix Source

Validation Rules for Schedule Path

Sink for Suffix	Where BPAT is the LCA, verifies that the Sink listed in the e-Tag is valid for the Suffix.	Suffix Sink
POR/POD Owner for Suffix	Verifies that the POR/POD and Owner are valid for the Suffix referenced.	Suffix POR/POD Owner

Validation Rules for Contracts or AREF Number

Validation Criteria	**Description**	**Denial Reason**
Blanket Customer	Verifies that the TC Owner on the transmission allocation of the e-Tag matches the owner of the transmission specified in the contract or AREF Number.	Blanket Customer
Blanket POR/POD	Verifies that the POR/POD referenced on the e-Tag is valid for the supporting contract or AREF Number.	Blanket POR/POD
Blanket Priority	Verifies that the NERC Priority specified on the e-Tag is valid for the supporting contract or AREF Number.	Blanket Priority
Blanket Capacity/Demand MW	Verifies that the supporting contract or AREF Number has sufficient unused confirmed capacity to for the e-Tag.	Blanket Capacity/Demand MW
Contract #	Verifies that the contract number referenced in the OASIS Contract # field of the e-Tag is a valid BPAT transmission contract.	INVALID Contract/AREF
Customer for Contract	Verifies that the TC Owner on the transmission allocation of the e-Tag matches the owner of the transmission specified in the contract.	Contract Customer PSE Code
NERC Priority for Contract	Verifies that the NERC Priority specified in the e-Tag is valid for the contract or reservation specified, such as 7-F, 2-NH, 6-NN.	Contract NERC Priority
POR/POD for	Verifies that the POR/POD referenced on	Contract POR/POD,

Validation Rules for Contracts or AREF Number		
Contract	the e-Tag is valid for the supporting contract, for the e-Tag TC Owner, and for the period of flow (from OASIS reservations or from BPAT contract data).	Start/Stop

Customer Data Entry (CDE)

1. The CDE application will provide user interfaces for Customers to access the following information:
   a. View the Customer's real power loss obligations, reports, summaries, and schedules.
   b. View and provide to the Transmission Provider data related to Ancillary Services, generation information and/or load information.
   c. Exchange other data deemed necessary by the Transmission Provider for the reliable operation and management of the Federal Columbia River Transmission System or as may be required by regulatory mandate.
   d. Retrieve and view Customer data (including proprietary data) and Transmission Provider data.
   e. Other uses as determined by the Transmission Provider.

2. An OATI, WebCares Certificate is required to access CDE.
   a. Information on obtaining a WebCares Certificates is available at: http://www.oaticerts.com/repository/oaticerts.html

3. Customers must execute a CDE agreement with BPA Transmission Services in order to:
   a. Gain access to the CDE application to view and update data.
   b. Elect an authorized representative to have access to view and update the Customer's select data.

4. A signed original CDE agreement should be mailed or faxed to the Customer's Account Executive.

5. The CDE agreement can be downloaded at: http://www.transmission.bpa.gov/Business/customer_info/becomingacustomer.cfm

Contact Information

Questions regarding BPA Transmission Services should be directed to the Customer's Account Executive or the Reservation Desk at 1-360-418-8499. Additional telephone numbers for Transmission Reservations, Preschedul, or Real-Time inquiries are located on BPA Transmission Services' website at: http://www.transmission.bpa.gov/Business/contact_info/

Additional Information

Policy Reference

- OATT Sections: 13, 14, 16, 17, 18 ,19, 22 and 29
- NERC Reliability Standards
- WECC Reliability Management System (RMS) M.2.b.4 and M.2.b.5
- NERC e-Tag timing specification

Related Business Practices and Documents

- New Customer Application Process
- On Demand Rights
- Operating Reserves
- Real Power Loss Returns
- Redirects
- Redispatch & Curtailment
- Requesting Transmission Service
- Conditional Firm Transmission Service
- Electronic Tagging Functional Specification, Version 1.8.1 or its successor
- WECC INT-BPA-007 or its successor

Bulletins

- Processing Transactions for Stranded Loads

- Tagging Provisions for Transactions through Hot Springs
- Reliability Limits & Outages
- Northwest Market Hub
- Network Congestion Validation

Version History

Version 5	12/02/10 Version 5 includes the following changes: • Added the definition Late E-tag: Time classification assigned by an Interchange Authority (IA) in accordance with the WECC Timing Requirements Table in Standard INT-006-3, Response to Interchange Authority, or it's successor. If arranged Interchange is submitted less than 10 minutes prior to ramp start and less than or equal to 1 hour after the start time, the IA assigned time classification is "Late". • Scheduling for Emergency Energy Delivery Transmission Services Section o Added to step 2: "BPA Transmission Services will process Emergency e-Tags in accordance with INT-001-WECC-CRT-2 and INT-007-WECC-CRT-1 or their successors." o Replaced step 4 with "BPA Transmission Services will deny Late e-Tags as defined by the Timing Requirement table of INT-006-3 and in accordance with INT-007-WECC-CRT-1, or their successors."
Version 4	Version 4 of this business practice has been updated to encourage Customers that submit Firm NT schedules to immediately begin using the 7-FN NERC Curtailment Priority code, rather than 7-F, to facilitate NT Firm Redispatch, pursuant to Attachment M of the OATT. Version 4 includes the following changes to section 3: • Added step 3.21.1. • Added subtitle "Point-to-Point (PTP) Transmission Service". • Added step 3.22.
Version 3	01/04/10 Version 3 of this business practice has been updated with the following changes: Section 2: Definitions • Blanket Function definition updated. • Added the definitions Transmission Profile and Energy Profile. Section 3: General Procedures and Requirements • Step 3.1 added the last sentence from version 2, step 3.3 • Deleted steps 3.3 and 3.3.1 • Moved step 7.3 to step 3.7 • Added "prior to preschedule day" to step 3.14 • Added Blanket Function in steps 3.17 through 3.17.3 Section 4: Transmission Service Product Types • Changed contract to Service Agreement throughout • Deleted step 4.1.2 • Updated Tagging Suffixes chart to reflect system changes Section 6: Scheduling for Emergency Energy Delivery • Added "Transmission Services will approve late tags" to step 6.4 • Deleted steps 6.4.1 through 6.5.3 to remove direct language from WECC INT-BPS-007-0. Content did not change. Section 7: E-Tag Validation Rules • Deleted step 7.3
Version 2	10/13/09 Version 2 of this business practice adds clarification in step 3.5 when a customer does not submit a schedule for a given hour, they will be deemed to have a schedule of zero megawatts for that hour.
Version 1	04/10/09 The Scheduling Transmission Service Business Practice is the result of separating the Reservation and Scheduling Procedures Business Practice into two new business practices: Requesting Transmission Service and Scheduling Transmission Service. In addition, the Scheduling Transmission Service Business Practice incorporates the E-Tag Requirements Business Practice, Version 5 and the following bulletins: • CBPI Bulletin 1: Transmission Account Building • CBPI Bulletin 5: E-Tag Equals Tx Schedule • CBPI Bulletin 9: Submit Tx Sched, Version 4 • CBPI Bulletin 11: E-Tag Timing Validations • Bulletin: Reservation and Scheduling for Emergency Energy Delivery • Bulletin: Short-Term Firm Product Minimum Lead Time Changes

Out for Comment/Redline/Response to Customer Comments

- Scheduling Transmission Service, Version 5, Out-for-Comment